

L Number	Hits	Search Text	DB	Time stamp
-	168964	connect\$4 near5 layer	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/09/05 16:07
-	15380	(connect\$4 near5 layer) and horizontal and vertical	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/09/05 16:31
-	125	((connect\$4 near5 layer) and horizontal and vertical) and pld	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/09/05 16:09
-	2514	((connect\$4 near5 layer) and horizontal and vertical) and pitch	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/09/05 16:31
-	4130	horizontal near4 pitch	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/09/05 17:25
-	0	veritical near4 pitch	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/09/05 17:25
-	5611	vertical near4 pitch	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/09/05 17:25
-	86	(connect\$4 near5 layer) and (horizontal near4 pitch) and (vertical near4 pitch)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/09/05 17:56

	U	1	Document ID	Issue Date	Pages	Title	Current OR
1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 20030155517 A1	20030821	51	Radiation detecting element, radiation image pickup apparatus and radiation detecting method	250/370.09
2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 20030153834 A1	20030814	15	Ultrasound probe wiring method and apparatus	600/459
3	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 20030151147 A1	20030814	20	Electrical assembly with vertical multiple layer structure	257/779
4	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 20030151146 A1	20030814	20	Vertical electronic circuit package and method of fabrication therefor	257/779
5	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 20030141926 A1	20030731	26	Semiconductor integrated circuit device	327/565
6	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 20030127599 A1	20030710	51	Radiation detector, radiation imaging system, radiation detecting method and radiation imaging method	250/370.01
7	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 20030076469 A1	20030424	12	Wide viewing angle fringe field multi-domain aligned LCD and method for fabricating	349/129
8	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 20030052945 A1	20030320	13	High density element structure formed by assembly of layers and method for making same	347/53
9	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 20030028105 A1	20030206	15	Ultrasound probe wiring method and apparatus	600/437
10	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 20030026564 A1	20030206	115	Display device and method for producing the same	385/120
11	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 20030025442 A1	20030206	106	Display device and method for producing the same	313/495
12	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 20030020503 A1	20030130	21	Test vehicle with zig-zag structures	324/754
13	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 20030003705 A1	20030102	20	Vertical electronic circuit package and method of fabrication therefor	438/612

	U	1	Document ID	Issue Date	Pages	Title	Current OR
14	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 20030001477 A1	20030102	35	Electron-emitting device, electron source, and image-forming apparatus	313/310
15	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 20020195662 A1	20021226	51	Power semiconductor switching devices, power converters, integrated circuit assemblies, integrated circuitry, power current switching methods, methods of forming a power semiconductor switching device, power conversion methods, power semiconductor switching device packaging methods, and methods of forming a power transistor	257/349
16	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 20020154259 A1	20021024	19	Light-producing high aperture ratio display having aligned tiles	349/73
17	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 20020105009 A1	20020808	50	Power semiconductor switching devices, power converters, integrated circuit assemblies, integrated circuitry, power current switching methods, methods of forming a power semiconductor switching device, power conversion methods, power semiconductor switching device packaging methods, and methods of forming a power transistor	257/138
18	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 20020096994 A1	20020725	70	Image display unit and method of producing image display unit	313/495

	U	1	Document ID	Issue Date	Pages	Title	Current OR
19	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 20020076851 A1	20020620	41	Power semiconductor switching devices, power converters, integrated circuit assemblies, integrated circuitry, power current switching methods, methods of forming a power semiconductor switching device, power conversion methods, power semiconductor switching device packaging methods, and methods of forming a power transistor	438/106
20	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 20020030436 A1	20020314	29	Electron-emitting device, electron source and image-forming apparatus	313/495
21	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 20020024671 A1	20020228	33	ALIGNING METHOD, ALIGNER, AND DEVICE MANUFACTURING METHOD	356/401
22	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 20020005549 A1	20020117	41	Power semiconductor device and method of manufacturing the same	257/328
23	<input type="checkbox"/>	<input type="checkbox"/>	US 20010049813 A1	20011206	19	INTEGRATED CIRCUIT INCORPORATING A POWER MESH	716/8
24	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 20010043084 A1	20011122	32	Semiconductor integrated circuit apparatus	326/98
25	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 20010024460 A1	20010927	22	Semiconductor light-emitting device	372/36
26	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 20010022564 A1	20010920	14	Led display assembly	345/55

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27	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 20010001744 A1	20010524	16	Semiconductor device and method of manufacturing the same	438/738
28	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 6613610 B2	20030902	67	Image display unit and method of producing image display unit	438/128
29	<input type="checkbox"/>	<input type="checkbox"/>	US 6611951 B1	20030826	21	Method for estimating cell porosity of hardmacs	716/12
30	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 6603256 B1	20030805	24	Field emission type display	313/496
31	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 6590425 B2	20030708	31	Semiconductor integrated circuit apparatus	326/98
32	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 6583041 B1	20030624	9	Microdevice fabrication method using regular arrays of lines and spaces	438/618
33	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 6582371 B2	20030624	14	Ultrasound probe wiring method and apparatus	600/459
34	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 6555920 B2	20030429	19	Vertical electronic circuit package	257/779
35	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 6549179 B2	20030415	13	LED display assembly	345/39
36	<input type="checkbox"/>	<input type="checkbox"/>	US 6532572 B1	20030311	11	Method for estimating porosity of hardmacs	716/4
37	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 6518180 B1	20030211	34	Method for fabricating semiconductor device and method for forming mask suitable therefor	438/671

	U	1	Document ID	Issue Date	Pages	Title	Current OR
38	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 6514618 B1	20030204	17	Multilayer backing material for 2-D ultrasonic imaging arrays	428/413
39	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 6497667 B1	20021224	11	Ultrasonic probe using ribbon cable attachment system	600/459
40	<input type="checkbox"/>	<input type="checkbox"/>	US 6480989 B2	20021112	17	Integrated circuit design incorporating a power mesh	716/8
41	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 6465844 B2	20021015	36	Power semiconductor device and method of manufacturing the same	257/336
42	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 6463185 B1	20021008	28	Information recording medium and information reproducing apparatus	382/302
43	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 6453100 B1	20020917	85	Display device and method for producing the same	385/120
44	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 6410840 B1	20020625	19	Thermoelectric conversion device and method of manufacturing the same	136/201
45	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 6404792 B2	20020611	20	Semiconductor light-emitting device	372/46
46	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 6392729 B1	20020521	12	Liquid crystal display with black matrix formed by a black resin optical shielding layer and a blue filter layer	349/110
47	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 6390830 B1	20020521	10	Bus bar-connecting structure	439/76.2

	U	1	Document ID	Issue Date	Pages	Title	Current OR
48	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 6330166 B1	20011211	28	Electronic-component mounting structure	361/760
49	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 6313023 B1	20011106	28	Method of fabricating deflection aperture array for electron beam exposure apparatus, wet etching method and apparatus for fabricating the aperture array, and electron beam exposure apparatus having the aperture array	438/597
50	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 6307527 B1	20011023	13	LED display assembly	345/39
51	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 6281524 B1	20010828	20	Semiconductor light-emitting device	257/99
52	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 6271548 B1	20010807	40	Master slice LSI and layout method for the same	257/202
53	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 6241532 B1	20010605	10	High density electrical connector assembly and connector for use therewith	439/67
54	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 6194312 B1	20010227	16	Semiconductor device and method of manufacturing the same	438/669
55	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 5920661 A	19990706	30	Information recording medium and information reproducing apparatus	382/317

	U	1	Document ID	Issue Date	Pages	Title	Current OR
56	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 5901050 A	19990504	12	Wired base plate and package for electronic parts	361/820
57	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 5880494 A	19990309	53	Active type photoelectric converting device and an active type solid-state imaging device using the same	257/225
58	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 5843798 A	19981201	13	Method for manufacturing semiconductor device having step of forming electrode pins on semiconductor chip using electrode-pin forming mask, and method for testing semiconductor chip using electrode-pin forming mask	438/106
59	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 5841300 A	19981124	33	Semiconductor integrated circuit apparatus	326/98.
60	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 5764319 A	19980609	13	Transmissive display device with microlenses and microprisms adjacent counter electrode	349/8
61	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 5736814 A	19980407	7	Vacuum flourescent display apparatus	313/495

	U	1	Document ID	Issue Date	Pages	Title	Current OR
62	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 5578132 A	19961126	22	Apparatus for heat treating semiconductors at normal pressure and low pressure	118/724
63	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 5574311 A	19961112	13	Device having pins formed of hardened mixture of conductive metal particle and resin	257/697
64	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 5557564 A	19960917	45	Signal terminal structure for macro cells and an associated connection method	365/63
65	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 5553196 A	19960903	52	Method for processing data using a neural network having a number of layers equal to an abstraction degree of the pattern to be processed	706/31
66	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 5536955 A	19960716	38	Electronic devices for use in generating integrated circuit structures and method therefor	257/204
67	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 5496768 A	19960305	11	Method of manufacturing polycrystalline silicon thin film	438/487
68	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 5490103 A	19960206	47	Signal terminal structure for macro cells and an associated connection method	365/63
69	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 5386175 A	19950131	13	Thin-type picture display device	313/422
70	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 5311443 A	19940510	8	Rule based floorplanner	716/10
71	<input type="checkbox"/>	<input type="checkbox"/>	US 5274570 A	19931228	19	Integrated circuit having metal substrate	716/1

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72	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 5134546 A	19920728	15	Vehicle control unit structure	361/736
73	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 5091762 A	19920225	12	Semiconductor memory device with a 3-dimensional structure	257/71
74	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 5070258 A	19911203	18	Integrated circuit having metal substrate used to provide electrical indication of operation mode of circuits	327/565
75	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 5040994 A	19910820	13	Connector structure for hybrid integrated circuit	439/76.1
76	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 4973833 A	19901127	49	Image sensor including logarithmic converters	250/208.1
77	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 4924943 A	19900515	10	Agricultural pulling machine with automatic pitch vibration damping mechanism	172/1
78	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 4412240 A	19831025	8	Semiconductor integrated circuit and wiring method	257/211
79	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 4322740 A	19820330	12	Solid-state color imaging camera	348/264
80	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US RE30800 E	19811117	12	Solid-state video camera	348/264
81	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 4219828 A	19800826	11	Multidrain metal-oxide-semiconductor or field-effect	257/272
82	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 4069501 A	19780117	12	Solid-state video camera	348/264
83	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 4064532 A	19771220	18	Solid state color camera	348/275
84	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 4063589 A	19771220	12	Heat exchanger assemblies	165/104.16
85	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 4054906 A	19771018	20	Solid state color camera	348/264

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86	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 3975760 A	19760817	12	Solid state camera	348/262